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DERWENT-ACC-NO: 1972-62512T

DERWENT-WEEK: 200395

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TITLE: 4-amino-erythro-2,3-dihydroxybutyric acid prodn - from a metallic azide

PATENT-ASSIGNEE:

ASSIGNEE

CODE

TANABE SEIYAKU CO

TANA

PRIORITY-DATA: 1969JP-0066605 (August 23, 1969)

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PATENT-FAMILY:

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[JP 72037612 B](#)

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INT-CL (IPC): C07C 0/00

ABSTRACTED-PUB-NO: JP 72037612B

BASIC-ABSTRACT:

Process comprises reacting a metallic amide with a protective erythronolactone is hydroxy gps. at 2- and 3-posns. and then eliminating the protective gp. of hydroxy gps. from the resulting 4-aminoerythro-2,3-dihydroxybutyric acid being protected. The protected 4-aminoerythro-2,3-dihydroxybutyric acid can also be prepd. by reacting a metallic azide with the protected erythronolactone in hydroxy gps. at 2- and 3-posns. and then reducing the resuling cpd. in the presence of Pd-C or Raney nickel. The prod. is a novel amino acid which is obtd. by decompsn. of lentinacin being a component of shiitake(mushroom).

TITLE-TERMS: AMINO ERYTHRO ACID PRODUCE METALLIC AZIDE

DERWENT-CLASS: B05 E16

CPI-CODES: B10-B02B; E10-B02B;

CHEMICAL-CODES:

Chemical Indexing M2 *01*

Fragmentation Code

H1 J1 H4 M313 M314 M332 M321 M280 M344 M380

M391 H181 J171 H482 H483 H484 M620 N060 N000 M510

M520 M530 M540 M720 M416 M902